6. Schematic Diagrams

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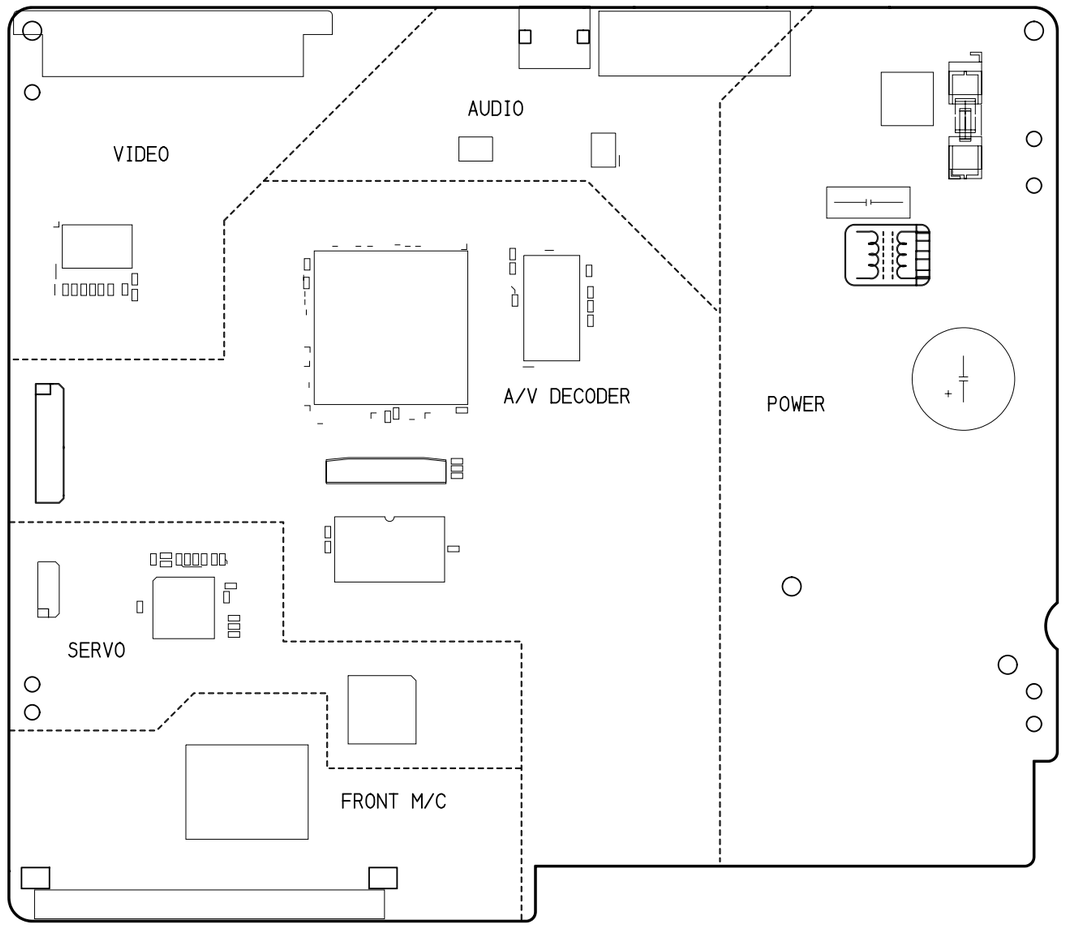
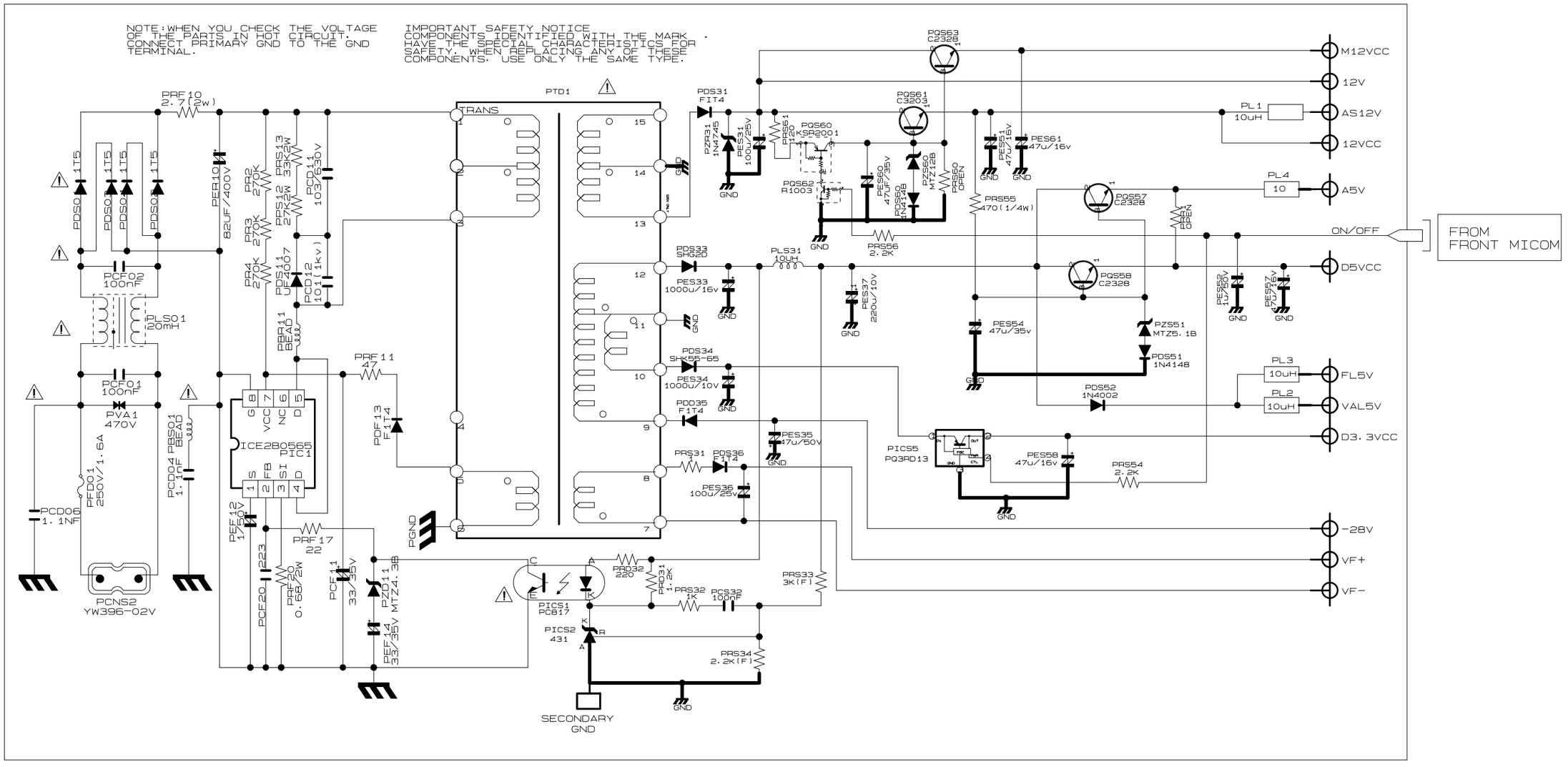
Block Identification of PCB

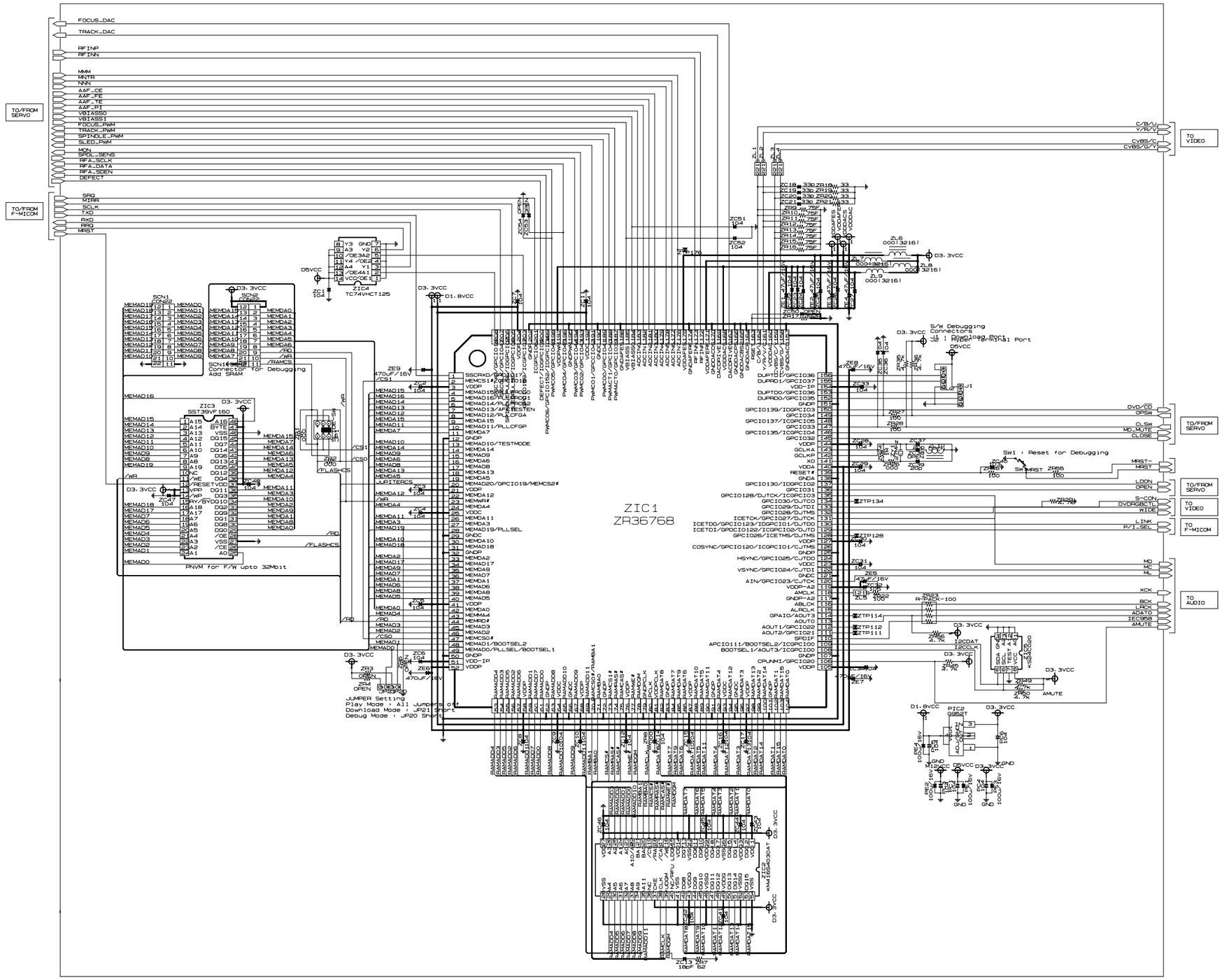


Main PCB (Component Side)

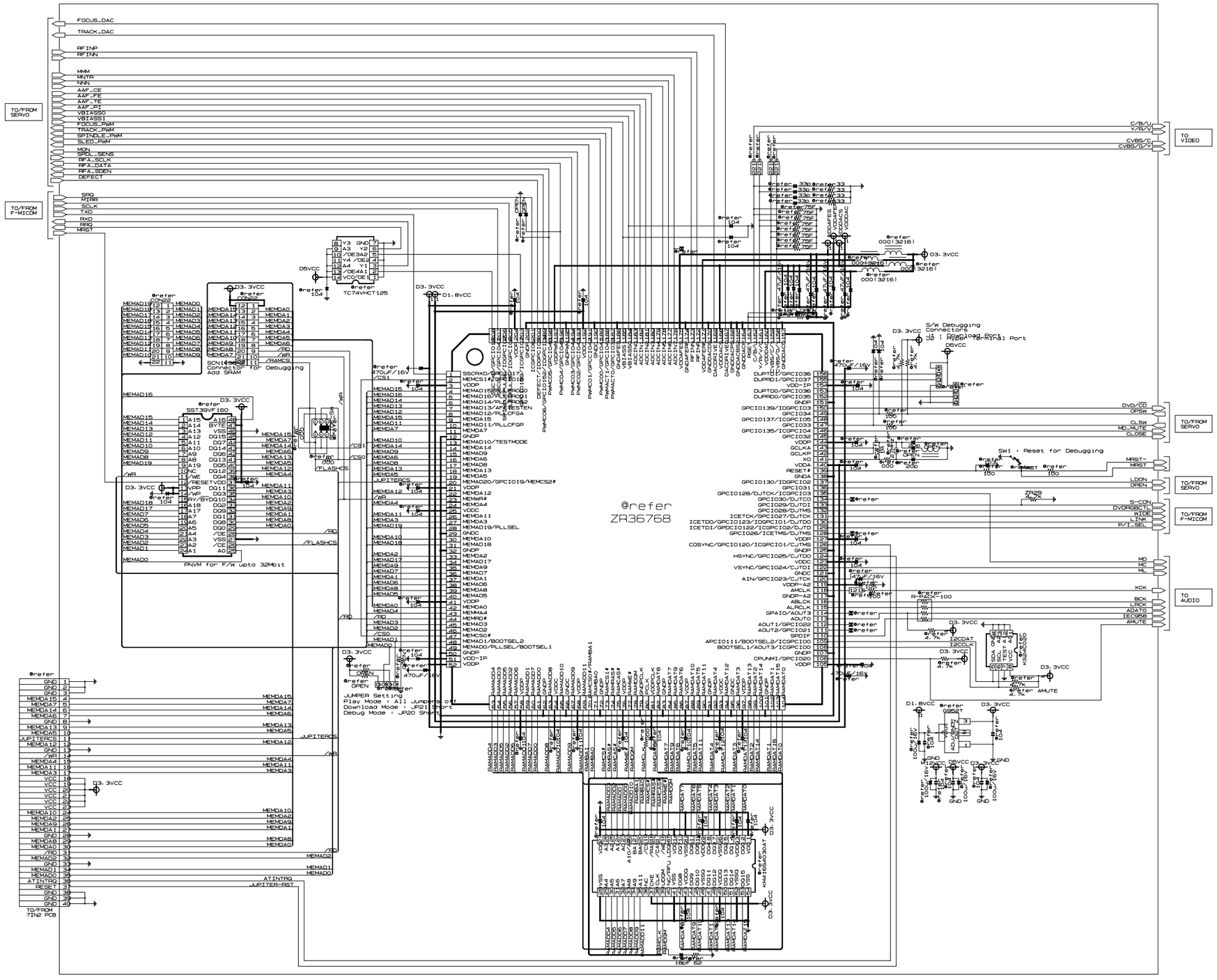
6-1 Power


NOTE:WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT. CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK . HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.
PRF10 2.7(2w)
PDS01 1T5
PDS02 1T5
PDS03 1T5
PDS04 1T5
PER10 82UF/400V
PCF01 100nF
PLS01 20mH
PVA1 470V
PFD01 250V/1.6A
PCD04 PBS01 BEAD 1.1nF
PCD06 1.1NF
PCNS2 YW396-02V
PR2 270K
PR3 270K
PR4 270K
PRS13 33K2W
PRS12 27K2W
PCD11 103/630V
PDS11 UF4007
PCD12 101(1kV)
PBR11 BEAD
PRF11 47
PDF13 F1T4
ICE2B0565 PIC1
G VCC 7 NC 6 D 5
1 S 2 FB 3 SI 4 D
PEF12 50V 1U
PRF17 22
PCF20 223
PRF20 0.68/2W
PCF11 33/35V
PZD11 MTZ24.3B
PEF14 33/35V
PRF32 220
PRD31 1.2K
PRS32 1K
PCS32 100nF
PICS1 PC817
PICS2 431
PRS34 2.2K(F)
SECONDARY GND
PRS33 3K(F)
PTD1
TRANS
PDS31 FIT4
PZR31 1N4745
PES31 100U/25V
PQS60 KSR2001
PRS61 2.2K
PQS62 R1003
PES60 47UF/35V
PDS60 1N4148
PZS60 MTZ12B
PRS60 OPEN
PRS56 2.2K
PDS33 SHG20
PES33 1000U/16V
PLS31 10UH
PES37 220U/10V
PDS34 SHK55-65
PES34 1000U/10V
PDD35 F1T4
PES35 47U/50V
PRS31 1
PDS36 F1T4
PES36 100U/25V
PGND
PQS63 C3209
PQS61 C3209
PES51 47U/16V
PES61 47U/16V
PL1 10UH
M12VCC
12V
AS12V
12VCC
PL4 10
A5V
PQS57 C2328
PRS55 470(1/4W)
PRS57 OPEN
ON/OFF
FROM FRONT MICOM
PQS58 C2328
D5VCC
PES52 1U/50V
PES57 47U/16V
PES54 47U/35v
PZS51 MTZ5.1B
PDS51 1N4148
PDS52 1N4002
PICS5 PQ3RD13
PES58 47U/16v
PRS54 2.2K
PL3 10UH
FL5V
PL2 10UH
VAL5V
D3.3VCC
-28V
VF+
VF-

6-2 AV-Decoder/Main-Micom (DVD-P145 Only)



6-3 AV-Decoder/Main-Micom (DVD-P345(D) Only)



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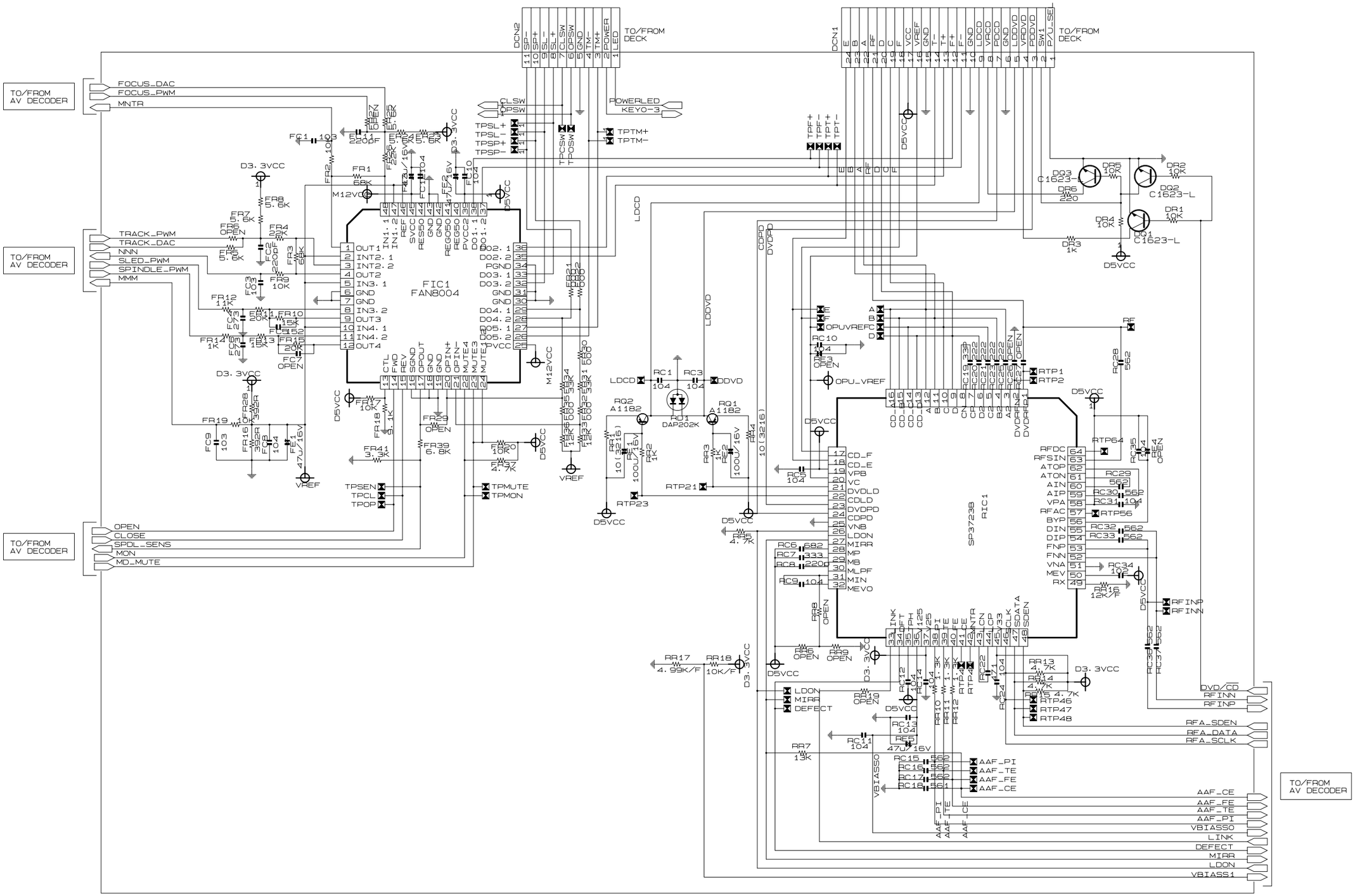
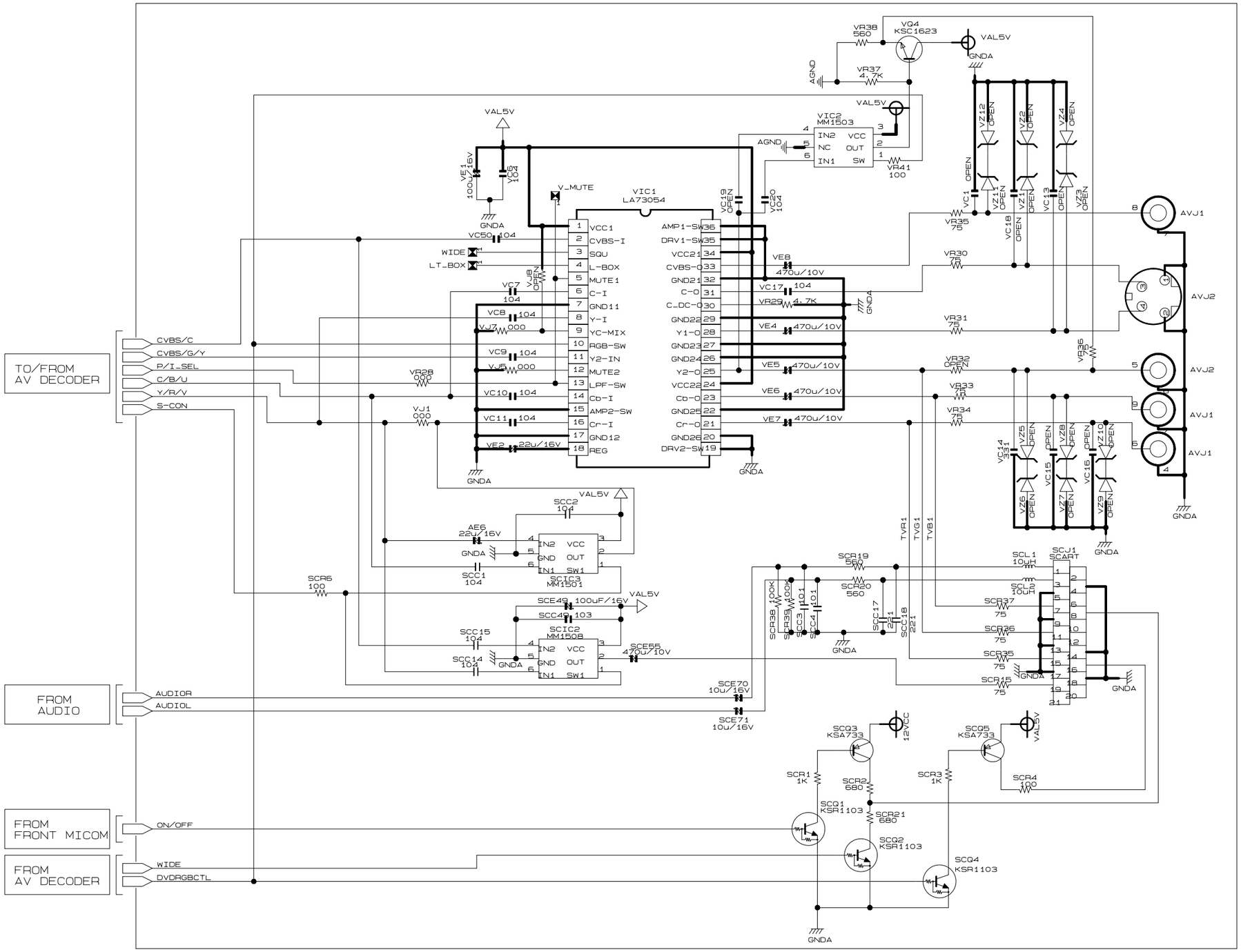
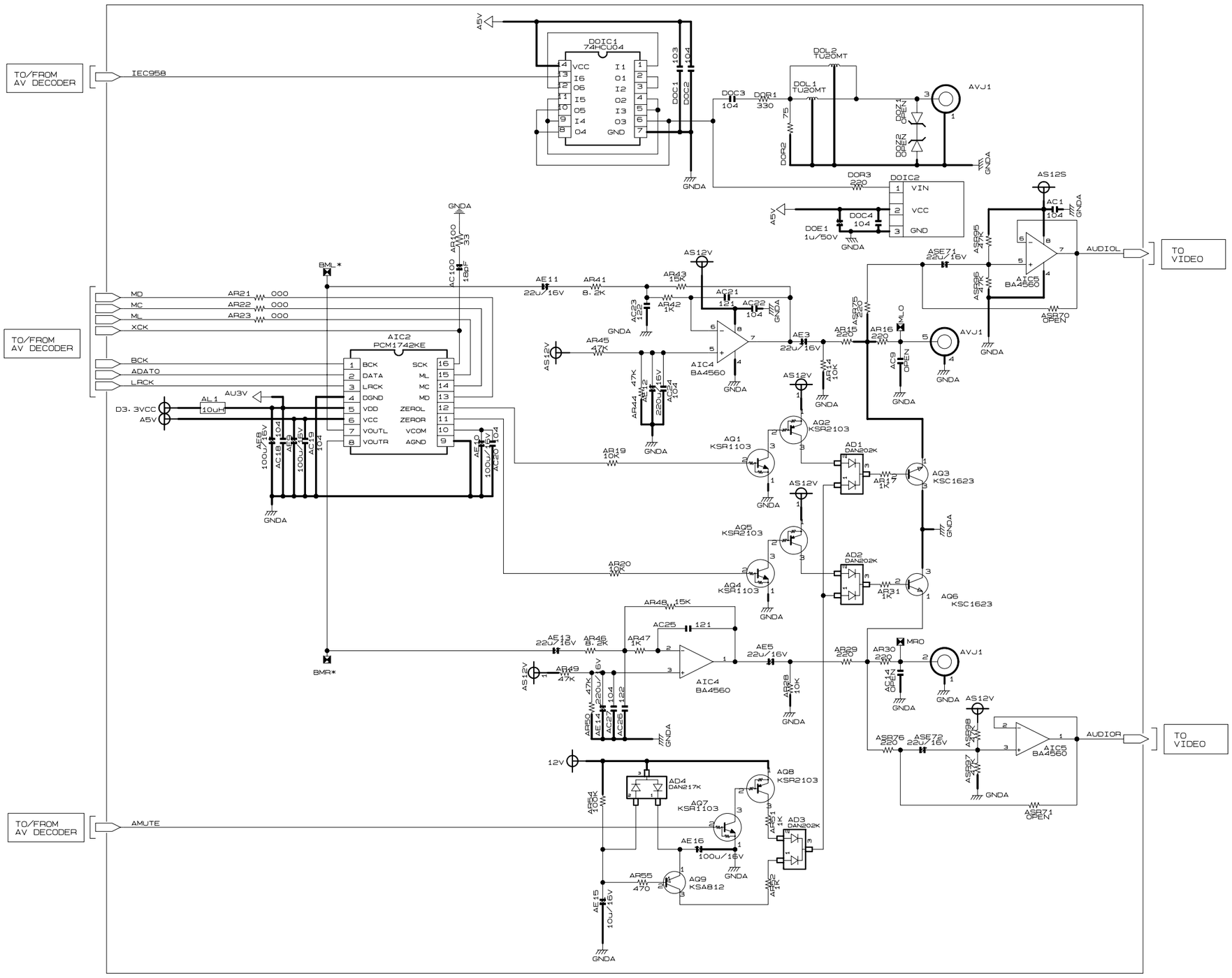
6-4 Servo


FIC1
FAN8004
SP3723B
RIC1
DCN2
DCN1
TO/FROM DECK
TO/FROM AV DECODER
FOCUS_DAC
FOCUS_PWM
MNTR
TRACK_PWM
TRACK_DAC
NNN
SLED_PWM
SPINDLE_PWM
MMM
OPEN
CLOSE
SPDL_SENS
MON
MD_MUTE
POWERLED
KEYO-3
TPSL+
TPSL-
TPSP+
TPSP-
TPCSW
TPOSW
TPTM+
TPTM-
TPSEN
TPCL
TPOP
TPMUTE
TPMON
LDCD
LDDVD
CDPD
DVDPD
OPU_VREF
RTP1
RTP2
RTP64
RTP56
RTP21
RTP23
RTP46
RTP47
RTP48
RFINP
RFINN
DVD/CD
RFA_SDEN
RFA_DATA
RFA_SCLK
AAF_PI
AAF_TE
AAF_FE
AAF_CE
VBIASSO
LINK
DEFECT
MIRR
LDON
VBIASS1
D3.3VCC
D5VCC
M12VCC
VREF

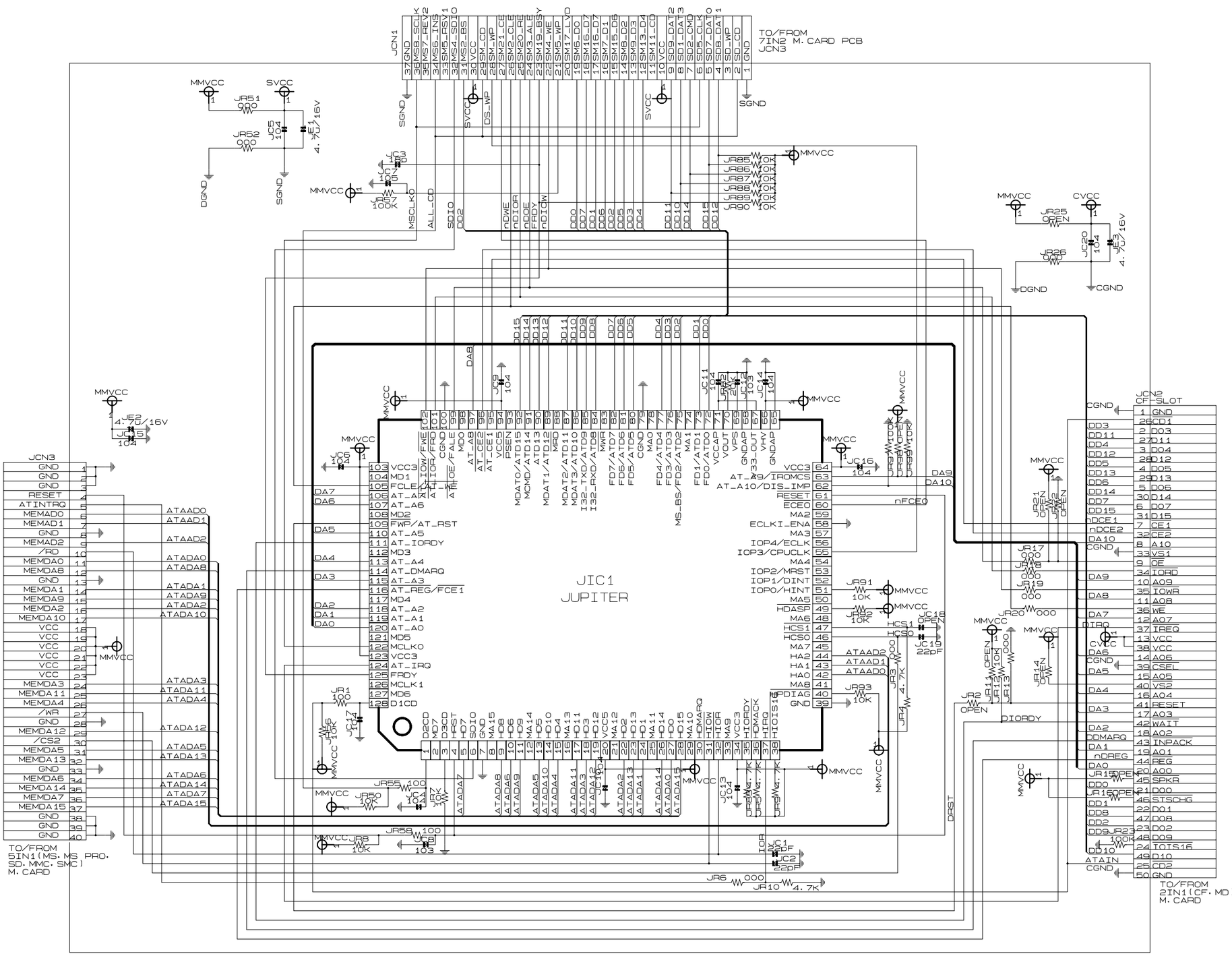
6-5 Video


TO/FROM AV DECODER
CVBS/C
CVBS/G/Y
P/I_SEL
C/B/U
Y/R/V
S-CON
FROM AUDIO
AUDIOR
AUDIOL
FROM FRONT MICOM
ON/OFF
FROM AV DECODER
WIDE
DVDRGBCTL
VIC1 LA73054
VIC2 MM1503
SCIC3 MM1501
SCIC2 MM1508
V_MUTE
WIDE
LT_BOX
VCC1
CVBS-I
SQU
L-BOX
MUTE1
C-I
GND11
Y-I
YC-MIX
RGB-SW
Y2-IN
MUTE2
LPF-SW
Cb-I
AMP2-SW
Cr-I
GND12
REG
AMP1-SW
DRV1-SW
VCC21
CVBS-O
GND21
C-O
C_DC-O
GND22
Y1-O
GND23
GND24
Y2-O
VCC22
Cb-O
GND25
Cr-O
GND26
DRV2-SW
VAL5V
GNDA
AGND
12VCC
AVJ1
AVJ2
SCJ1 SCART
SCQ1 KSR1103
SCQ2 KSR1103
SCQ3 KSA733
SCQ4 KSR1103
SCQ5 KSA733
VQ4 KSC1623

6-6 Audio


TO/FROM AV DECODER
IEC958
DOIC1 74HCU04
DOL2 TU20MT
DOL1 TU20MT
AVJ1
DOIC2
DOR3 220
DOC4 104
DOE1 1u/50V
AS12S
AIC1 BA4560
AUDIOL
TO VIDEO
ASE71 22u/16V
ASR70 OPEN
TO/FROM AV DECODER
MD
MC
ML
XCK
BCK
ADATO
LRCK
AR21 000
AR22 000
AR23 000
AIC2 PCM1742KE
AU3V
AL1 10uH
D3.3VCC
A5V
AE11 22u/16V
AR41 8.2K
AR43 15K
AR42 1K
AC21 121
AC22 104
AC23 122
AR45 47K
AIC4 BA4560
AE3 22u/16V
AR44 47K
AR12 2K
AC24 220u/16V
AR14 10K
AR13 220
AR16 220
AS575 220
MLO
AS9 OPEN
MRO
AQ1 KSR1103
AQ2 KSR2103
AD1 DAN202K
AQ3 KSC1623
AR19 10K
AR20 10K
AQ4 KSR1103
AQ5 KSR2103
AD2 DAN202K
AR31 1K
AQ6 KSC1623
AR48 15K
AC25 121
AE13 22u/16V
AR46 8.2K
AR47 1K
AR49 47K
AE5 22u/16V
AR29 220
AR30 220
AC14 OPEN
AR28 10K
AS576 220
AS572 22u/16V
AS571 OPEN
AR50 47K
AE4 220u/6V
AC27 104
AC26 122
12V
AD4 DAN217K
AQ8 KSR2103
AR54 100K
AQ7 KSR1103
AD3 DAN202K
AR11 1K
AR12 1K
AE16 100u/16V
AR55 470
AQ9 KSA812
AE15 10u/16V
GNDA
BML*
BMR*
AMUTE

6-7 M-Card (DVD-P345(D) Only)



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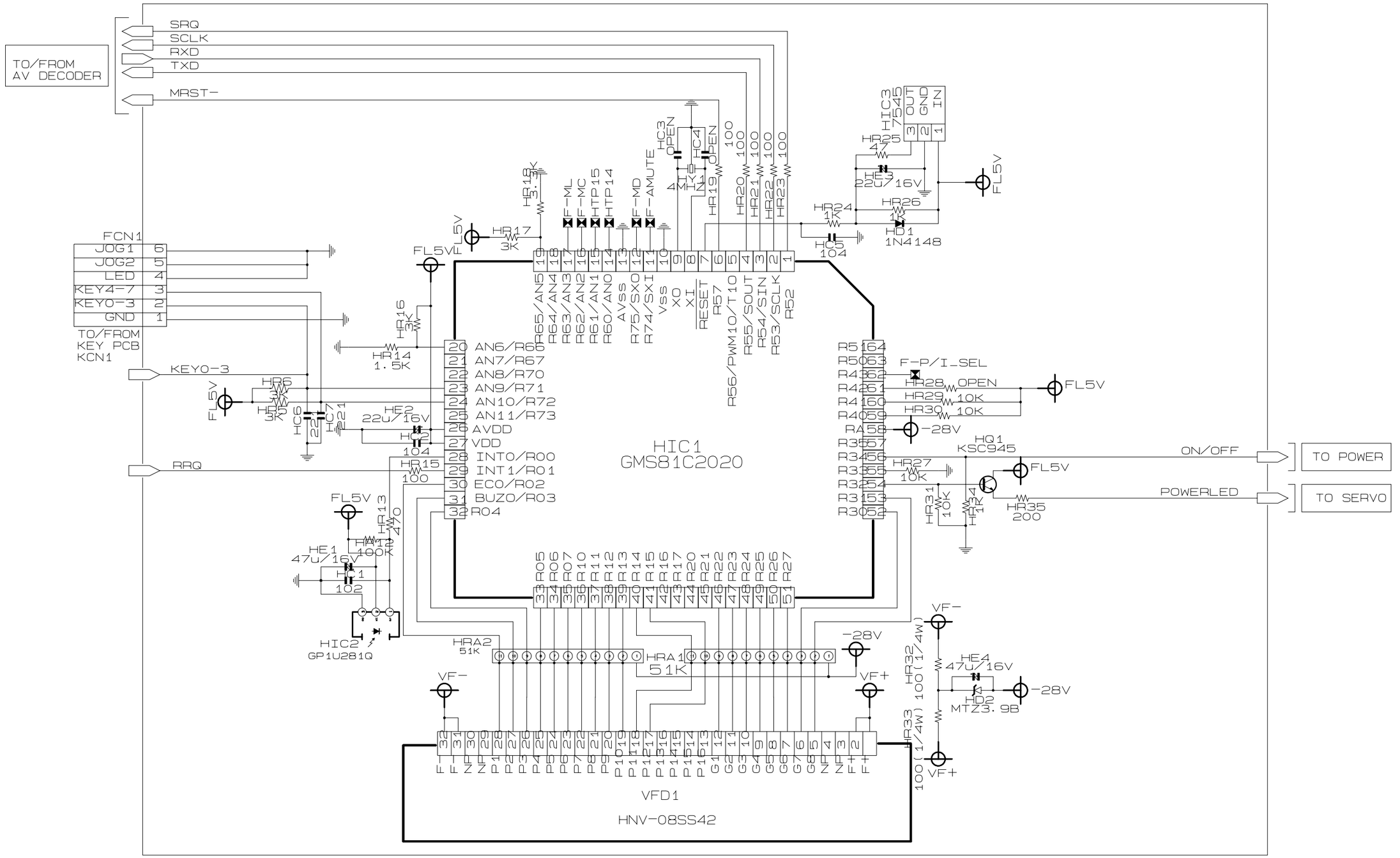
6-8 Front



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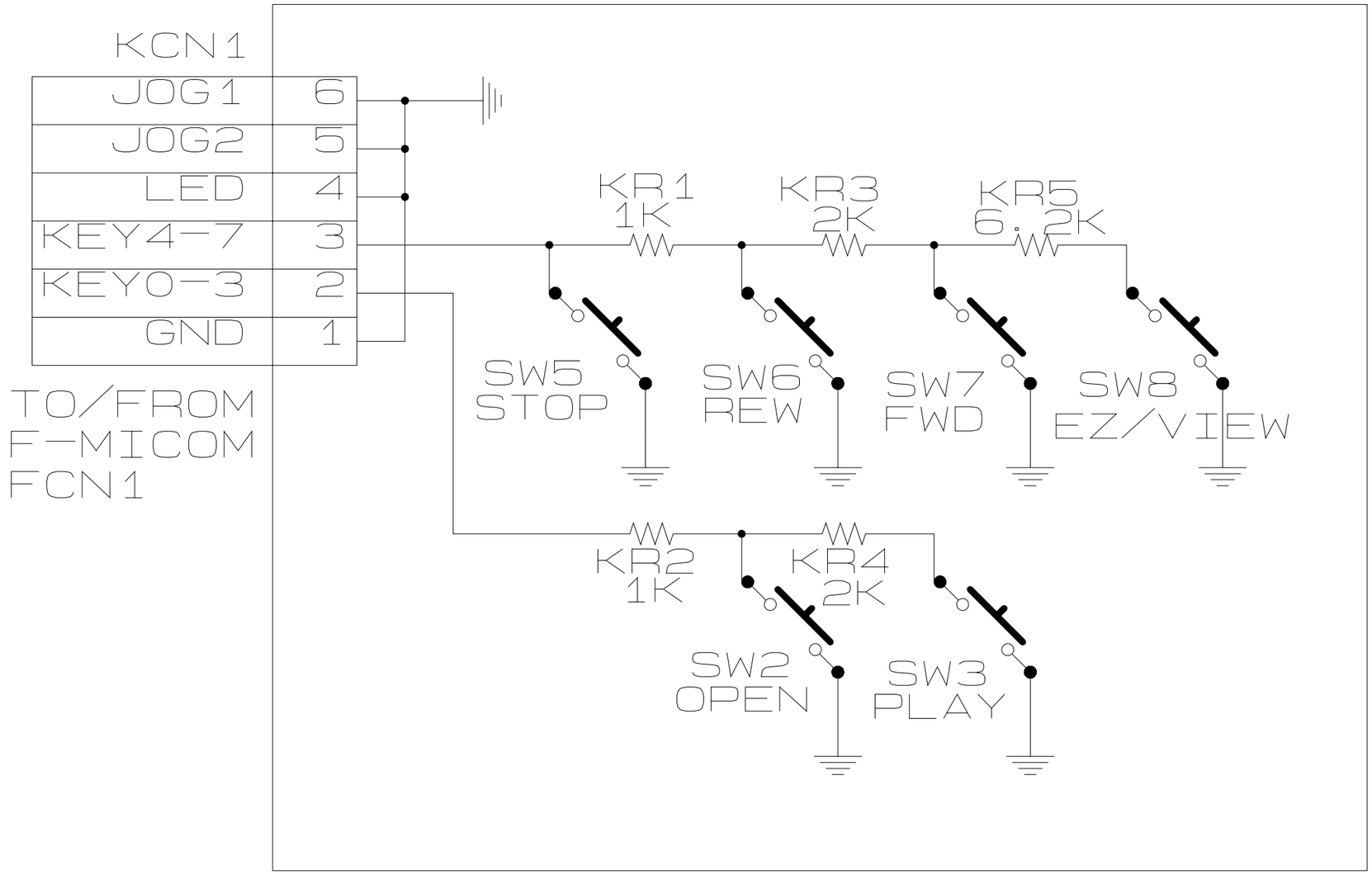
6-9 Key (DVD-P345(D) Only)



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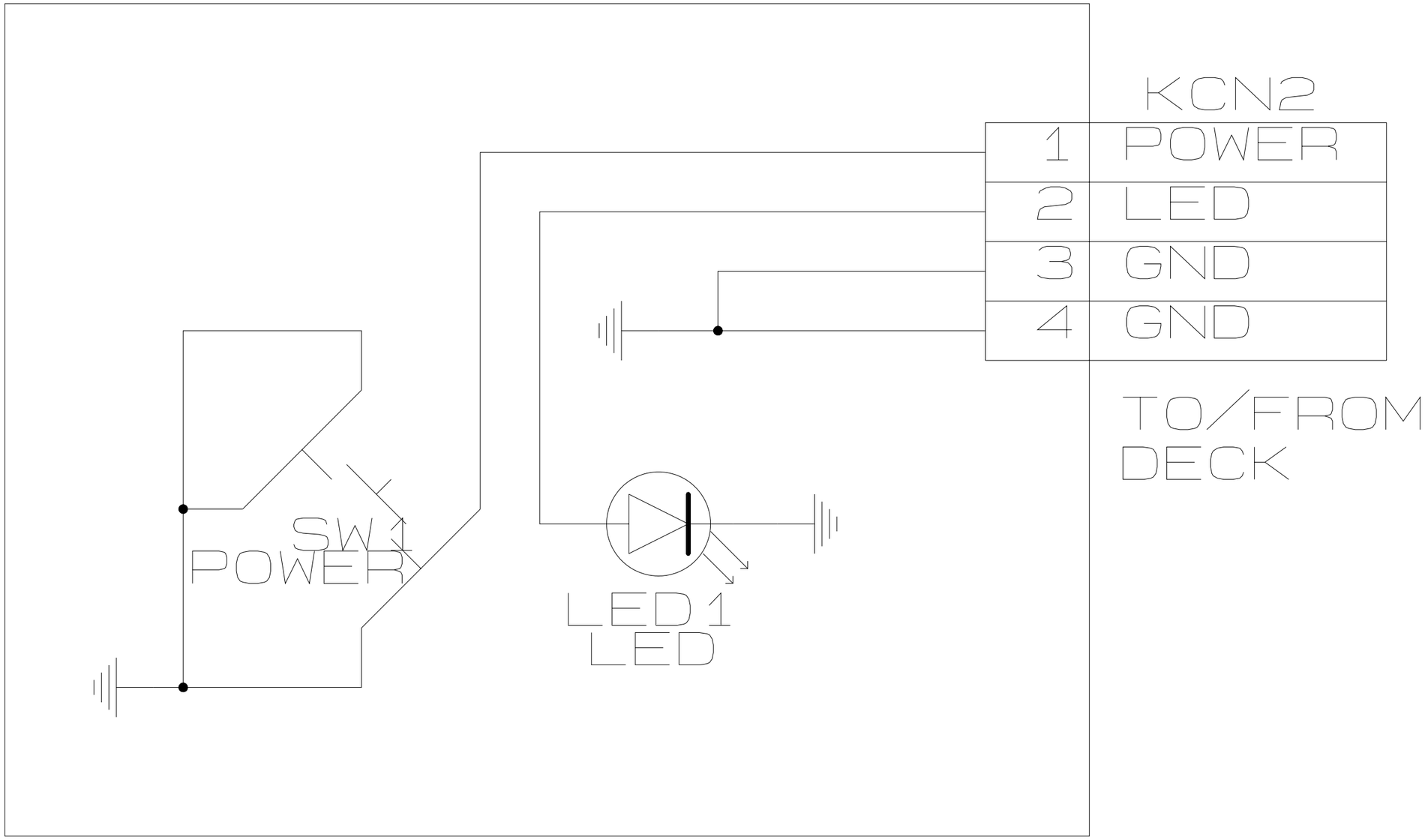
6-10 Power_Key



MEMO